HYDROELECTRIC POWER PLANT 10 YEAR MAINTENANCE

9/11/2006

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-- CONTRACT 08126A

City & County of Denver Bid Opening: September 7, 2006 @ 10:00 a.m.

Bid	Opening: September 7, 2006 @ 10:0	00 a.m.			USA	GRACON	
			ENGINEER'S ESTIMATE		CONSTRUCTION, INC.	CORPORATION	
Item Work & Material Quantit		Quantity	Unit Price	Total Amount	Unit Price Total Amoun	t Unit Price Total Amount	
A.	GENERAL CONSTRUCTION:						
1.	Turbine disassembly and reassembly	Lump Sum		\$14,000.00	\$12,000.	\$24,000.00	
2.	Generator disassembly and reassembly	Lump Sum		\$12,000.00	\$10,000.	\$42,000.00	
		TOTAL FOR A		\$26,000.00	\$22,000.	\$66,000.00	
B. COMPONENTS TO BE PROVIDED:							
1.	One complete set of 24 wicket gate head cover bushings	Lump Sum		\$500.00	\$110.	00 \$200.00	
2.	One complete set of 24 wicket gate stay-ring bushings	Lump Sum		\$500.00	\$120.	9200.00	
3.	One complete set of 48 upper and lower wicket gate sleeves and 96 O-rings	Lump Sum		\$6,000.00	\$8,100.	00 \$15,400.00	
4.	Stainless steel shaft protective sleeve	Lump Sum		\$2,000.00	\$1,200.	00 \$2,100.00	
5.	Head cover wear ring	Lump Sum		\$4,000.00	\$6,100.	\$10,700.00	
6.	Discharge ring wear ring	Lump Sum		\$4,000.00	\$2,800.	\$10,700.00	
7.	Twenty-four wicket gate friction locking clamps	Lump Sum		\$2,000.00	\$700.	00 \$1,200.00	
8.	Twenty-four wicket gate locking assembly cover plates	Lump Sum		\$800.00	\$1,900.	00 \$3,200.00	
	TOTAL FOR B			\$19,800.00	\$21,030.	\$43,700.00	

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GRACON

STRONTIA SPRINGS DAM HYDROELECTRIC POWER PLANT 10 YEAR MAINTENANCE -- CONTRACT 08126A

USA

City & County of Denver Bid Opening: September 7, 2006 @ 10:00 a.m.

		ENGINEER'S ESTIMATE		CONSTRUCTION, INC.		CORPORATION	
Item Work & Material Quantit		Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
INDIVIDUAL COMPONENT LABOR:							
Alignment pre-check	Lump Sum		\$500.00		\$300.00		\$3,900.00
Turbine runner measurements	Lump Sum		\$500.00		\$300.00		\$900.00
Wicket gate measurements	Lump Sum		\$1,000.00		\$500.00		\$900.00
Packing box measurements	Lump Sum		\$300.00		\$100.00		\$300.00
Draft tube:							
Required Work	Lump Sum		\$1,000.00		\$400.00		\$700.00
Potential Work	Lump Sum		\$2,000.00		\$650.00		\$6,500.00
Wicket gates:							
Required Work	Lump Sum		\$3,000.00		\$1,200.00		\$16,300.00
Wicket gate linkage bushings:							
Required Work	Lump Sum		\$4,000.00		\$2,400.00		\$11,100.00
Wicket gate seal plates:							
Required Work	Lump Sum		\$400.00		\$130.00		\$4,800.00
Runner:							
Required Work	Lump Sum		\$500.00		\$400.00		\$2,200.00
Potential Work	Lump Sum		\$2,500.00		\$2,900.00		\$3,000.00
	INDIVIDUAL COMPONENT LABOR: Alignment pre-check Turbine runner measurements Wicket gate measurements Packing box measurements Draft tube: Required Work Potential Work Wicket gates: Required Work Wicket gate linkage bushings: Required Work Wicket gate seal plates: Required Work Runner: Required Work	INDIVIDUAL COMPONENT LABOR: Alignment pre-check Lump Sum Turbine runner measurements Lump Sum Wicket gate measurements Lump Sum Packing box measurements Lump Sum Draft tube: Required Work Lump Sum Potential Work Lump Sum Wicket gates: Required Work Lump Sum Wicket gate linkage bushings: Required Work Lump Sum Wicket gate seal plates: Required Work Lump Sum Runner: Required Work Lump Sum	Mork & Material Quantity Unit Price INDIVIDUAL COMPONENT LABOR: Alignment pre-check Lump Sum Turbine runner measurements Lump Sum Wicket gate measurements Lump Sum Packing box measurements Lump Sum Draft tube: Required Work Lump Sum Potential Work Lump Sum Wicket gates: Required Work Lump Sum Wicket gate linkage bushings: Required Work Lump Sum Wicket gate seal plates: Required Work Lump Sum Wicket gate seal plates: Required Work Lump Sum Runner: Required Work Lump Sum	Work & Material Quantity Unit Price Total Amount INDIVIDUAL COMPONENT LABOR: Alignment pre-check Lump Sum \$500.00 Turbine runner measurements Lump Sum \$500.00 Wicket gate measurements Lump Sum \$1,000.00 Packing box measurements Lump Sum \$300.00 Draft tube: Required Work Lump Sum \$1,000.00 Potential Work Lump Sum \$2,000.00 Wicket gates: Required Work Lump Sum \$3,000.00 Wicket gate linkage bushings: Required Work Lump Sum \$3,000.00 Wicket gate seal plates: Required Work Lump Sum \$44,000.00 Runner: Required Work Lump Sum \$500.00	Nork & Material Quantity Unit Price Total Amount Unit Price INDIVIDUAL COMPONENT LABOR: Alignment pre-check Lump Sum \$500.00 Turbine runner measurements Lump Sum \$500.00 Wicket gate measurements Lump Sum \$1,000.00 Packing box measurements Lump Sum \$300.00 Packing box measurements Lump Sum \$300.00 Packing box measurements Lump Sum \$300.00 Potential Work Lump Sum \$2,000.00 Wicket gates: Required Work Lump Sum \$3,000.00 Wicket gates: Required Work Lump Sum \$3,000.00 Wicket gate linkage bushings: Required Work Lump Sum \$4,000.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates: Required Work Lump Sum \$500.00 Wicket gate seal plates:	work & Material Quantity Unit Price Total Amount Unit Price Total Amount INDIVIDUAL COMPONENT LABOR: Alignment pre-check Lump Sum \$500.00 \$300.00 Turbine runner measurements Lump Sum \$500.00 \$300.00 Wicket gate measurements Lump Sum \$1,000.00 \$500.00 Packing box measurements Lump Sum \$1,000.00 \$400.00 Packing box measurements Lump Sum \$1,000.00 \$400.00 Packing box measurements Lump Sum \$1,000.00 \$400.00 Potential Work Lump Sum \$3,000.00 \$650.00 Wicket gates: Required Work Lump Sum \$3,000.00 \$1,200.00 Wicket gate linkage bushings: \$4,000.00 \$2,400.00 Wicket gate seal plates: \$4,000.00 \$2,400.00 Required Work Lump Sum \$400.00 \$3,000.00 Required Work Lump Sum \$4,000.00 \$2,400.00	Nork & Material Quantity Unit Price Total Amount Sadonon Sad

DROELECTRIC POWER PLANT 10 YEAR MAINTENANCE -- CONTRACT 08126A

City & County of Denver Bid Opening: September 7, 2006 @ 10:00 a.m.

віа	Opening: September 7, 2006 @ 10:00	a.m.	ENGINEER'S ESTIMATE		USA CONSTRUCTION, INC.		GRACON CORPORATION	
Item	Work & Material	Quantity	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
10.	Scroll Case:							
	Required Work	Lump Sum		\$1,000.00		\$750.00		\$1,800.00
	Potential Work	Lump Sum		\$3,000.00		\$2,400.00		\$6,000.00
11.	Shaft protecting sleeve:							
	Required Work	Lump Sum		\$500.00		\$200.00		\$2,400.00
12.	Stuffing box:							
	Required Work	Lump Sum		\$400.00		\$260.00		\$2,400.00
13.	Inlet butterfly guard valve:							
	Required Work	Lump Sum		\$300.00		\$100.00		\$1,900.00
	Potential Work	Lump Sum		\$400.00		\$130.00		\$3,600.00
14.	Generator and exciter scope of wor	and exciter scope of work:						
	Required Work	Lump Sum		\$22,000.00		\$19,000.00		\$34,000.00
15.	Generator bearings scope of work	Lump Sum		\$3,000.00		\$250.00		\$16,600.00
		TOTAL FOR C		\$46,300.00		\$32,370.00		\$119,300.00
	TOTAL FOR A. GENERAL CONSTRUCTION: TOTAL FOR B. COMPONENTS TO BE PROVIDED: TOTAL FOR C. INDIVIDUAL COMPONENT LABOR: Mobilization (not to exceed 5% of Total Bid) TOTAL BID			\$26,000.00		\$22,000.00		\$66,000.00
				\$19,800.00		\$21,030.00		\$43,700.00
				\$46,300.00		\$32,370.00		\$119,300.00
				\$4,000.00		\$4,000.00		\$11,100.00
				\$96,100.00		\$79,400.00		\$240,100.00
					Employers Mu Casualty Com		Safeco Ins Company of A	